

ABSTRACT

A guide for a manifold plug of an injection molding apparatus comprises a guide body projecting from an inner wall of the manifold plug diametrically opposing an inlet of a manifold plug channel formed in the manifold plug. The inlet is aligned with a manifold channel of a manifold. The outlet of the manifold plug channel is aligned with a nozzle channel of a nozzle. The inlet is at an angle to the outlet. A guide surface is provided on the guide body for abutting a downstream portion of a valve pin extending into the manifold plug channel. The guide also facilitates flow of a melt stream of moldable material through the manifold plug channel.